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cq	Kogoma, Tokio, "Stable DNA Replica Homologous Recombination, and Tran No. 2., pp. 212-238, June 1997	ation: Interplay bet ascription", Microb	ween DNA piology and	A Replication in Mole. Bio.	n, ., Vol. 61	l ,
	Larionov, Vladimir, et al., "Direct is associated recombination in yeast", Pr July 1997	olation of human <i>B</i> roc. Natl. Acad, Sc	IRCA2 gen i., USA, V	e by transfo ol. 94, pp.	7384-738	17,
	van Dijk, et al., "A Functional Assay Wild-Type and Variant Estrogen Rece Cancer Research, 57, pp. 3478-3485,	ptor Messenger Rh	man Estro NAs Presei	gen Recepto at in Breast	or Display Carcinon	ys na",
	Frengen, et al., "Transfer of small YA Analysis Biomolecular Engineering, 14	ACs to E. coli. as 1 4, pp. 57-59, 1997	arge circul	ar plasmids	", Geneti	ic
	Larionov, Vladimir, et al., "Specific of by transformation-associates recombin 491-496, January 1996	cloning of human I ation", Proc. Natl.	NA as ye. . Acad. Sci	ast artificial	chromos 1 93., pp	omes
	Bradshaw, Suzanne, M., et al., "A lor using the pClasper vector", Proc. Nati 1996	ng-range regulator l. Acad. Sci., USA	y element o , Vol. 93,	of <i>Hoxc8</i> id pp. 2426-24	entified b 130, Mar	y c h
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دھ	Simpson, Kaetrin, et a mammalian cells", Nu Bradshaw, Suzanne M fragments from yeast a pp.4850-4856, 1995 Campbell, Colin, et al	al., "A shuttle sycleic Acids Resol., et al. "A new artificial chrome	ystem for transfer earch, Vol. 24, N vector for recon osomes", Nucleic	of YACs b to. 23, pp. 4 abination-ba Acids Resec	etween yeas 1693-4699, sed cloning arch, Vol. 2	t and 1996 of large I 3, No. 23	·,
	Ketner, Gary, et al., infectious yeast artific 6186-6190, June 1994	", Nucleic Acids 'Efficient manipial chromosome	Research, Vol. 2 pulation of the hur clone", Proc. No.	23, No. 18, man adenovi al. Acad. So	pp. 3691-36 rus genome ci., USA, Vo	as an ol. 91, pp	
	Kouprina, N., et al., 'Transformation and Pr	ropagation in Y	east", Genomics,	21, pp. 7-1	7, 1994		
	Larionov, V., et al., mammalian artificial c 20, pp. 4154-4162, 19	chromosomes in	yeast (YACs), N	acion as a sc ucleic Acids	Research,	Vol. 22, l	No.
1	Miller, Leilani, et al., factor homolog, specii Development, Vol. 7,	fies three altern	ative cell fates in	ns HNF-3/fo vulval devel	ork head trail lopment", C	nscription Genes and	
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EXAMINER	72	DATE CONSIDERED
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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OTHER DOCUMENTS (Jucluding Author, Title, Date, Pertinent Papers, Etc.)

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Boyd, E.F., and Hartl, D.L. (1997). Recent horizonal transmission of plasmids between natural populations of Escherichia coli and Salmonella enterica. <u>Journal of Bacteriology</u> 179, pp. 1622-7.

Campbell, C., Gulati, R., Nandi, A. K., Floy, K., Hieter, P., and Kucherlapati, R. S. (1991). Generation of a nested series of interstitial deletions in yeast artificial chromosomes. <u>Proc.</u> Natl. Acad. Sci. USA 88, pp. 5744-5748.

Degryse, E., Dumas, B., Dietrich, M., Laruelle, L., and Ascstetter, T. (1995). In vivo cloning by homologous recombination in yeast using a two-plasmid-based system. <u>Yeast</u> 11, pp. 629-40.

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	<i>-</i>	Fairhead, C., Llorente, combinatorial deletions recombination. Yeast	in yeast chr	omos	r, M., and Dujon, B. omes and for gap-rep	(1996) air clor	New vect	ors for split-ma	rker'
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ca	McGonigal, T., Bodelle, P., DNA library in a circular ce	ding Author Schopp, Centromere-l	, Title, Date, Perlinent Pa ., and Sarthy, A.V. (199: based yeast plasmid. <u>Ge</u>	syers, E. 5). Corne 155,	nstruction of pp. 267-27	ves	110
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ca	McGonigal, T., Bodelle, P., DNA library in a circular co	Schopp, Centromere-le (1994). No rrent Generation	, Title, Date, Perlinent Pa ., and Sarthy, A.V. (1993) passed yeast plasmid. General Section of the Control o	S). Corne 155, ods by h	nstruction of pp. 267-22 nomologou	ves of a hum 71. s	nan
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